

ABSTRACT

A ruggedized inverter structure or chassis has an integral frame with a right, rear and left vertical wall formed in the shape of a channel or U from a single plate of aluminum. A rectangular base also formed from a single plate has a front, right, rear and left side bordering a rectangular base plate. A front, right, rear and left vertical wall is formed on the rectangular base plate, each with a single bend. The front and rear walls are bent to form front and a rear mounting flanges. The base plate right and left vertical walls are coupled to the inner surface of the corresponding integral frame right and left vertical walls. A base plate rear wall is coupled to the integral frame rear wall. A transformer mounting plate is coupled to the front and rear mounting flanges. Right and left power modules are mounted.